

- b. Clear the OB dumped at different locations of the project site and submit geotagged photographs
- c. Certificate showing the mineable reserve extracted till date and balance quantity from DMG.
- d. Correct the benches and submit geotagged photographs
- e. Plant indigenous and fruit bearing trees at North-East boundary and submit photographs
- f. Submit a compensatory afforestation plan and provide geo-tagged photograph of the location proposed for afforestation.
- g. Plant indigenous plants at the northern side of the overburden dump and submit geotagged photographs
- h. The boundary pillars should be marked with lat -long details and submit geotagged photograph

PART 1

1. **SIA/KL/MIN/126475/2019 , 1724/EC3/2020/SEIAA
Environmental Clearance for the building stone quarry at Re-Survey No. 104/8-1pt, 110/7pt, Block No.12 of Vengoor Village, Kunnathunad Taluk, Ernakulam District, Kerala for an Area of 0.6046 Ha by Mr.TijoLalu**

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.Mahesh Mohan & Dr.K.N.Krishnakumar for field inspection and report.

2. **SIA/KL/MIN/129766/2019 , 1616/EC2/2020/SEIAA
Environmental Clearance for quarry over an extent of 0.7161 Hectares in Sy. Nos. 30/3-2, 30/3-3, 30/3- 4,30/14, 37/5- 1, 37/5-2 & 37/5-3 at Veliyam Village, Kottarakkara Taluk, Kollam**

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

3. **SIA/KL/MIN/131195/2019 , 1577/EC3/2019/SEIAA
Environmental Clearance for the proposed Granite Building Stone quarry at Re. Survey No. 292/1A of New Naduvil Village, Thaliparamba Taluk, Kannur District, Kerala for total permit area of 0.8893 Ha**

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Sri. V.Gopinathan and Dr.A.V.Manoharan for field inspection and report.

4. **SIA/KL/MIN/132154/2019 , 1618/EC2/2019/SEIAA**
Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re Sy. Nos. 272/3, 272/4, 272/5 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.7969Ha of Aishwarya Granite

Decision: The Committee verified the documents submitted by the Proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

5. **SIA/KL/MIN/132702/2019 , 1726/EC2/2020/SEIAA**
Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri.Byju T.V’ over an extent of 1.5913 Ha. (3.9321 Acres) at Sy No. 506/2 Pt, Kanjirangad Village, Mananthavady Taluk, Wayanad District, Kerala

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.Mahesh Mohan for field inspection and report.

6. **SIA/KL/MIN/132745/2019, 1570/EC1/2019/SEIAA**
Building Stone Mine (Quarry, Minor Mineral Mining) project of M/s Plaza Crusher Metals at Re-Survey Nos. 143/24, 3, 13, 14, 21, 23 at Ananganadi Village, Ottappalam Taluk, Palakkad District, Kerala

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.K.Vasudevan Pillai for field inspection and report.

7. **SIA/KL/MIN/133398/2019 , 1670/EC6/2020/SEIAA**
Environmental Clearance for Building Stone Quarry of M/s Chaliyar Stone Crusher over an extent of 2.8766 Ha. Re Sy Block No:1, Re Sy No:93/58, 93/59 in Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala by Sri.Kunhali V.M

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC with a Project Life of 10 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. The PP should submit an affidavit to the effect that all the built structures will be demolished before mining.
- b. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
- c. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.

- d. The drainage along with silt traps, siltation ponds and outflow channel should be desilted periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.
- e. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

8. SIA/KL/MIN/133526/2019 , 1734/EC3/2020/SEIAA

Environment clearance in respect of the Proposed Granite Building Stone Quarry over an extent of 1.6939 Hectares in Re-Survey Nos. 223/2pt and 227/1pt of Alakode Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. Binoy Jose.

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 63.7m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. A sworn affidavit should be submitted with an undertaking that the approach road leading to the quarry will be widened before the commencement of quarrying
- b. Depth of mining should be limited to 10 m below the lowest ground level of the project area.
- c. A drainage channel from the quarry pit to the nearest natural drain should be constructed to maintain maximum depth of water column in the quarry pit at 5m.
- d. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- e. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- f. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
- g. Compensatory afforestation should be done with trees of indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- i. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

9. SIA/KL/MIN/134824/2020 , 1729/EC2/2020/SEIAA

Environment Clearance for granite Building Stone Quarry of Mr.Safarulla .k at Re-Sy. No- 320/1,321/2 of Vorkady Village, Manjeshwaram Taluk, Kasaragod District of Kerala for an extent of 0.1920 Ha

Decision: The Committee examined the proposal in detail and decided to entrust Sri. V.Gopinathan & Dr.A.N.Manoharan for field inspection.

10. SIA/KL/MIN/135534/2020 , 1677/EC2/2020/SEIAA

Environmental Clearance for granite Building Stone Quarry project in Re-Sy. No. 244/2 of Elamadu Village, Kottarakkara Taluk, Kollam District, Kerala for an extent of 0.3615Ha of land by Sri. A. M. Chackochan, Aishwarya Granites

Decision: The Committee examined the proposal in detail and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

11. SIA/KL/MIN/136154/2020 , 1609/EC1/2020/SEIAA

Environmental Clearance for Building Stone Quarry of Mr. Abdul Vahid.A over an extent of 1.6980 Ha. Block No: 37, Re Sy 111/1,110/2,110/2-1 in Nagaroor Village, Chirayinkeezhu Taluk, District-Thiruvananthapuram, Kerala (COMPLAINT RECEIVED)

Decision: The Committee examined the proposal in detail and decided to entrust Dr. R. Ajayakumar Varma and Dr. A. Bijukumar for field inspection and report.

12. SIA/KL/MIN/136195/2020 , 1587/EC1/2020/SEIAA

Granite / Building stone quarry of “Mr.Babu Jacob, Director, M/s. Mannari Granites Private Limited. Sy.No: 1008/1-18/3,1008/1-18/4,1008/1- 18/5,1008/1- 18/7 in Mulavoor Village, Muvattupuzha Taluk, Ernakulam District,Kerala State

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 94.8m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions:

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.

- c. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

13. SIA/KL/MIN/136866/2020 , 1719/EC3/2020/SEIAA

Environment Clearance for mining permit of “Granite Building Stone Quarry of M/s. Kadanadu Granites” over an extent of 0.7452 Ha.(1.8413 Acres) in Block No. 30, Re-Sy. Nos. 327,1-1 & 327/1-1-1, Kadanadu Village, Meenachil Taluk, Kottayam District, Kerala State, India

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.Mahesh Mohan & Dr.K.N. Krishnakumar for field inspection.

14. SIA/KL/MIN/137503/2020 , 1720/EC3/2020/SEIAA

Granite Building stone quarry of “Mr.Saji Sebastian, Sy.No: 128/3Bpt,128/4pt,129/1-4pt,129/2-1pt, in Arakkuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala State

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. K.N. Krishnakumar & Dr.Mahesh Mohan for field inspection.

15. SIA/KL/MIN/138173/2020 , 1692/EC2/2020/SEIAA

Environmental Clearance for granite Building Stone Quarry of Mr.ZaiulAbideen at - Sy. No 573/1 of Parappa Village, Vellarikund Taluk, Kasaragod District of Kerala for an extent of 0.6800 Ha (Mining area-0.4432 Ha, Buffer area-0.2368 Ha)

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 68.49m. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions:

- a. Retaining wall should be provided for the overburden storage area to a height of about 2m.

- b. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- c. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- d. Green belt development in the buffer should be done in the first year of the project itself using only good canopy native tree species and it should be nurtured and maintained in subsequent years.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

16. SIA/KL/MIN/138465/2020 , 1608/EC1/2020/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri.Sathyan.C” over an extent of 2.8552 Ha. (7.0551 Acres) Re-Sy. Block No. 26, Re-Sy. Nos. 156/1, 156/2,156/3 & 156/3-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 58.5 m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 8 years subject to review after 5 years. The Committee also suggested the following specific conditions in addition to the general conditions:

- a. All the boundary pillars should be replaced with concrete pillars with geo-coordinates written on it and submit geo-tagged photographs as proof prior to the commencement of mining.
- b. OB location should be shifted to lower level, between BP1 and BP2, outside the boundary of the project and the location should be marked on a map and submitted before the commencement of mining.
- c. The entire boundary of the project area should be protected with proper fencing.
- d. The width of the road should be widened to 8m before the commencement of quarrying.
- e. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- f. Compensatory afforestation should be done with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- g. Quarrying operations should be limited 85m above MSL
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- i. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- j. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- k. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- l. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

17. SIA/KL/MIN/140230/2020 , 1390/EC2/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Mr. A.N Sadasivan Nair over an extent of 0.9966 Ha at Sy No 871, 875 in Perumpilavu Village, Thalappilly Taluk (Kunnamkulam –New Taluk), Thrissur District, Kerala

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 59.1m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions

- a. The entire project area should be protected with fencing and fencing between the boundary pillar BP 4 and BP5-should be more strong as the boundary here share the boundary of a deep quarry pit.
- b. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
- h. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- i. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.

- j. Green belt development in the buffer should be done in the first year of the project itself using only good canopy native tree species and it should be nurtured and maintained in subsequent years.
- k. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- l. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

18. SIA/KL/MIN/140382/2020 , 1674/EC2/2020/SEIAA

Environmental Clearance for granite Building Stone Quarry project in ReSy.No. 268/1 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.9957Ha of land by Sri. A. M. Chackochan, Aishwarya Granites

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection.

19. SIA/KL/MIN/142845/2020 , 1409/EC2/2019/SEIAA

Environmental Clearance for Granite Building Stone Of Mr.V.V.Divakaran over an extent of 1.3990 Ha at Re Survey Nos. 355/2, 355/5 (Block No. 26) of Muthuthala Village, Pattambi Taluk, Palakkad District, Kerala

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.Vasudevan Pillai for field inspection.

20. SIA/KL/MIN/142917/2020 , 1659/EC6/2020/SEIAA

Application for Environmental Clearance for the Building Stone Quarry project in Sy. Nos. 453/1 of Arakkuparamba Village, Perinthalmanna Taluk, Malappuram District, Kerala for an area of 0.6340 Ha by Sri.Unnikrishnan

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection and report.

21. SIA/KL/MIN/145130/2020 , 1664/EC1/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry project in Survey Nos. 2/3 & 3/2 at Shoranur II Village, Ottappalam Taluk, Palakkad District, Kerala for an area of 2.4946Ha of land by Sri. Dilip Kumar K, Managing Partner, M/s Capital Granites

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 107m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. Retaining wall should be constructed on downward side to prevent rolling of boulders outside the dumping area and also to prevent inadvertent entry by persons or animals.
- b. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- c. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- d. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- e. Compensatory afforestation to compensate for the difficulties to develop green belt in the south-eastern side of the project area with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR
- f. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- g. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- h. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

22. SIA/KL/MIN/146306/2020 , 1676/EC2/2020/SEIAA

Environmental Clearance for granite Building Stone Quarry project in Re-Sy. Nos. 109/3, 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam for an extent of 0.9993 Ha of land by Sri. A. M.Chackochan, Aishwarya Granites

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection.

23. SIA/KL/MIN/147588/2020 , 1643/EC1/2020/SEIAA

Environmental Clearance for Building Stone Quarry M/s Kannanthanam & Company over an extent of 0.4200 Ha. Re Survey no.372/3, of Pallichal Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala

Decision: The Committee examined the documents submitted by the proponent and field inspection report in detail and found that the area is dilapidated and degraded due to indiscriminate mining of building stones. Further, there is a defence installation within 200m. The Committee decided to seek the following.

- a. Legal Opinion regarding the distance to be maintained from defence installation for mining operation, if any.
- b. A report from the District Administration regarding the prohibition, if any, for quarrying in the area.
- c. Re-examine the feasibility based on the current scenario.

24. SIA/KL/MIN/148123/2020 , 1658/EC6/2020/SEIAA

Environmental clearance for Granite building stone quarry of Mr.Kunhalan .K, for an extent of 0.8165 Ha Re. Sy. Nos. 211/1, 211/3-2 (Block No. 59) of Pulpatta Village, Eranad Taluk, Malappuram District, Kerala

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Sri. V.Gopinathan & Dr.A.V.Raghu for field inspection and report.

25. SIA/KL/MIN/32061/2019 , 1622/EC2/2020/SEIAA

Granite Building Stone Quarry of M/s. Nellimunda Granites and Sands Pvt Ltd" over an extent of 1.1341Ha (2.8026 Acres) at Re Sy No.374/752 & 374/738, Valad Village, Mananthavady Taluk, Wayanad

Decision: The Committee examined the documents submitted by the proponent. The proposal seems to be requiring clearance from the NBWL. The Committee decided to entrust Dr.K.N.Krishnakumar & Dr.Mahesh Mohan for field inspection and report. The team shall also verify the documents submitted by the proponent especially the copy of application submitted for Wildlife Clearance.

26. SIA/KL/MIN/45413/2019 , 1634/EC3/2020/SEIAA

Granite Building Stone Quarry of Mary Elias at Survey No. 307/1A/6/4/5 of Kottapady Village of Kothamangalam Taluk of Ernakulam District, Kerala in an extent of 0.9843 Ha

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure as per the certified survey map is 137m. However, the distance to nearest house is given as 51.54 m in the EMP. The Committee discussed the field inspection report and decided that the project is feasible to be recommended for EC with Project life of 5 years subjected to submission of the copy of the application submitted to NBWL for Wildlife Clearance as the site is at a distance of 9km from the Thattekkad Bird Sanctuary. The

following specific conditions in addition to general conditions may be made applicable while issuing environmental clearance.

- a. Another quarry is operating at a distance of about 100 m away from the proposed project area and hence care should be taken to avoid simultaneous blasting. The blasting time-table of both the quarries should be fixed at different times through mutual consultation and it should be informed to SEIAA prior to commencement of mining.
- b. The eastern and south-eastern portion of the boundary of the project falls in an abandoned quarry. Therefore, providing buffer zone on the area is difficult. The proponent should undertake compensatory afforestation in the first year itself.
- c. Compensatory afforestation should be done with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- d. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- e. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- f. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- g. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- i. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

A quarry, located at about 100 m from the northern boundary of the proposed quarry under consideration, seems to be violating the approved mine plan and the EC issued as the blocked reserve seems to have been mined and appropriate benches have not been provided. Moreover, the top soil is seen removed from the buffer area and kept at top most areas. Therefore, the District Geologist, Department of Mining & Geology may be addressed to conduct a field level verification and take appropriate action with immediate effect.

27. SIA/KL/MIN/93154/2019 , 1235/EC2/2019/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry project in Re Sy.No 92/pt of Pulpatta Village, Ernad Taluk, Malappuram District, Kerala for an area of 1.7396 Ha by Mohammed Kunhi Haji

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 130m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions.

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- c. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
- j. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- k. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- l. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.
- m. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

PART 2

1. **SIA/KL/MIN/136899/2020 , 1830/EC4/2020/SEIAA
Environmental Clearance for the proposed Granite Building Stone Quarry of M/s Surya Crusher &Hollow at Re.survey No9/1A,335 in Kolavallur village, Thalassery Taluk, Kannur District, Kerala for an extent of 2.0233 Ha**

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Shri. V.Gopinathan & Dr.A.N.Manoharan for field inspection and report.

2. **SIA/KL/MIN/140565/2020 , 1744/EC4/2020/SEIAA**
Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re - Sy. No. 159/447 (159/1A1) of Thinur Village, Vadakara Taluk of Kozhikode District., Kerala for an extent of 0.9996 Ha

Decision: The Committee examined the documents submitted by the proponent and entrusted Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report. The Committee also noted that the proponent has to submit the following additional documents:

- a. Revised Environmental Management Plan
- b. Landuse/Landcover map of area covering 500 m radius of the project

3. **SIA/KL/MIN/142599/2020 , 1773/EC6/2020/SEIAA**
Granite Building Stone Quarry of Mithun.K, M/s.Vezhakkode Granites at Survey No. 161/2, 161/3, 161/4, 145/1 of Urangattiri Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.8949 hectares.

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions

- a. The seasonal water flow along the south east part of the site (outside) should not be disturbed.
- b. Before blasting the columnar rocks should be removed using rock breaker.
- c. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- d. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- e. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- f. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
- n. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- o. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- p. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.

4. SIA/KL/MIN/142846/2020 , 1713/EC3/2020/SEIAA

Granite Building Stone Quarry of M/s. T. J. Granites Pvt. Ltd” over an extent of 2.0005 Ha in Re-Sy. Nos.326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanganam Village, Meenachil Taluk, Kottayam District, Kerala State, India, by Shri. Jaison Jacob (Complaint from Shri. Sreejith C. Nair, Edamaruku Paurasamithy, Kottayam dated 21-01-2022)

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.Mahesh Mohan & Dr.K. N. Krishnakumar for field inspection and report. The team shall also verify the veracity of the complaint filed.

5. SIA/KL/MIN/146311/2020 , 1712/EC3/2020/SEIAA

Environmental Clearance for the building stone quarry at Survey No.66/1,66/2A,66/2A,66/2B,128/2A,128/2B3,128/2B2,128/3A,128/3B2,of Arakkuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 1.7634 Ha by SAJI SEBASTIAN

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.Mahesh Mohan & Dr.K. N. Krishnakumar for field inspection and report.

6. SIA/KL/MIN/148500/2020 , 1711/EC6/2020/SEIAA

Laterite Building stone Quarry project of Sri.AhammedNasar.M in Resurvey No. 27, 29/1 of Athavanad Village, TirurTaluk, Malappuram District, Kerala for an extent of 0.1940Ha

Decision: The committee deferred the item for detailed scrutiny

7. SIA/KL/MIN/150672/2020 , 1680/EC1/2020/SEIAA

Granite Building Stone Quarry in sy no.142/1 Thachanattukara Village, Mannarkadu Taluk, Palakkad District, Kerala by Muhammed Mamunni

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection and report.

8. SIA/KL/MIN/151675/2020 , 1709/EC6/2020/SEIAA

Granite Building Stone Quarry of M/s. Peacock Rock Products' over an extent of 1.937 Ha. in Re- Sy. Nos. 26/9, 26/13, 26/10 & 26/11 of Wadakkanchery Village, Thalappilly Taluk, Thrissur District, Kerala State, India

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 118.2m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 10 years subject to the review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- c. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- f. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- g. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.
- h. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

9. SIA/KL/MIN/152637/2020 , 1706/EC6/2020/SEIAA

Laterite Building Stone Quarry of Mohammed Faisal in Re-Survey Nos. 57/12, 57/13 & 57/1 of Valambur Village, Perintalmanna Taluk, Malappuram District, Kerala for an extent of 0.969675 Ha

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend

EC for a period of 3 years subject to the following specific conditions in addition to the general conditions

- a. An affidavit stating that the traffic management plan submitted by the proponent will be implemented.
- b. Mining should be carried out by providing benches at every 2m.
- c. Proper drainage from the mine site should be ensured.
- d. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.
- e. The proponent should undertake phased restoration and shall complete it before the completion of the mining operations. Cultivation of short-duration food crop cycles may be promoted on the restored area.
- f. The filled-up pits with the waste/OB materials should be covered with freshly removed soil mixed with sufficient organic matter to ensure fast raising of vegetation with no alien invasive species.

10. SIA/KL/MIN/156925/2020 , 1743/EC4/2020/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Mr.Saneesh K at Sy. No 46/726, 727, 728, 729, 730, 731, 732, 733 of Kalliad Village, IrittyTaluk, Kannur District of Kerala for an extent of 0.9711 Ha

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions

- a. Mining should be carried out by providing benches at every 2m.
- b. Proper drainage from the mine site should be ensured.
- c. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.
- d. The proponent should undertake phased restoration and shall complete it before the completion of the mining operations. Cultivation of short-duration food crop cycles may be promoted on the restored area.
- e. The filled-up pits with the waste/OB materials should be covered with freshly removed soil mixed with sufficient organic matter to ensure fast raising of vegetation with no alien invasive species.

11. SIA/KL/MIN/158149/2020 , 1786/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Shri. Ravi Paleri at Sy. No. 138/2 of Kolavallur Village, ThalasseryTaluk of Kannur District., Kerala for an extent of 0.5710 Ha

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Shri. V.Gopinathan & Dr.A.N.Manoharan for field inspection and report.

12. SIA/KL/MIN/160638/2020 , 1721/EC2/2020/SEIAA

Environmental Clearance for Building Stone Quarry of Mr.S.Sundarasan over an extent of 0.7678 Ha. Re Survey no.114/2-1,115/6-4-2,113/6,113/4-2,113/13, of Puthoor Village, Kottarakkataluk, Kollam District

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt.Beena Govindan for field inspection and report.

13. SIA/KL/MIN/161967/2020 , 1747/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos. 98/2-1, 98/1, 98/1-1 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala by Sri. Abdul Nazar A

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Er. M. Dileepkumar & Dr. A. Biju Kumar for field inspection and report.

14. SIA/KL/MIN/162481/2020 , 1742/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri Deepa N.K. at Sy. No 23/798, 23/912 of Kalliad Village, Iritty Taluk, Kannur District of Kerala for an extent of 0.5567 Ha

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Shri. V.Gopinathan & Dr. A.N.Manoharan for field inspection and report.

15. SIA/KL/MIN/162661/2020 , 1748/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Block No: 25 Re-Survey Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20-1, 180/4, 180/3-1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala by M.R Jayasree, Managing Partner of M/s Saroj Realtors and Builders

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Er. M. Dileepkumar & Dr. Biju Kumar A for field inspection and report.

16. SIA/KL/MIN/163150/2020 , 1749/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey No:129/1, Block No:30 in Ongallur 1 Village, Pattambi Taluk, Palakkad District, Kerala by Sri.Musthafa A

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.K.Vasudevan Pillai for field inspection and report.

17. SIA/KL/MIN/163190/2020 , 1750/EC1/2020/SEIAA

Environmental Clearance for the proposed Granite (Building Stone) Quarry with Lease at Re- survey no. 547 in Melarkode village, Alathur Village, Palakkad District, Kerala by Mr.Jacob Barry

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.Vasudevan Pillai & Dr.K.N.Krishnakumar for field inspection and report.

18. SIA/KL/MIN/163594/2020 , 1756/EC3/2020/SEIAA

Granite Building Stone Quarry of Mr.Dineesh Vijayan at Re. Sy. No. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam District of Kerala for an extent of 0.7137 Ha

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr. Mahesh Mohan & Dr.K.N.Krishnakumar for field inspection and report.

19. SIA/KL/MIN/163826/2020 , 1837/EC6/2020/SEIAA

Granite Building Stone Quarry Owned by Shaukathali A.K. situated in Pullippadam Village, Nilambur Taluk, Malappuram District, and Kerala for an area of 1.3230 hectares

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Shri.S.Sheik Hyder Hussan & Dr.Ajayakumar Varma for field inspection and report.

20. SIA/KL/MIN/164222/2020 , 1757/EC3/2020/SEIAA

Environmental Clearance for the building stone quarry at ReSurveyNo.171/8,of Airapuram Village, Kunnathunad Taluk, Ernakulam District, Kerala for an Area of 0.9995 Ha. By N S GANESH

Decision: The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr. Mahesh Mohan for field inspection and report.

21. SIA/KL/MIN/173261/2020, 1431/EC3/SEIAA/2019

[Conversion ToR (SIA/KL/MIN/41944/2019, 1431/EC3/SEIAA/2019) to EC] Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Rajeevan P.V at Re Survey No 5 of Thimiri Village, Taliparamba Taluk, Kannur District, Kerala for an extent of 0.9936 Ha

Decision: The Committee decided to adhere to the decision No.5 in Part 5 (ToR-SIA/KL/MIN/41944/2019, 1431/EC3/SEIAA/2019) taken in its 127th meeting.

22. SIA/KL/MIS/142842/2020 , 1741/EC3/2020/SEIAA

Environmental Clearance of the proposed Residential Building Project ‘Jains Marine Bay’ at Re. Survey No. 281/7-2,280/5-2,280/4,281/8-2,281/5-2,281/73, 280/83,281/13,280/32,280/2,281/3,281/4,281/22,281/114,281/93,281/152,281/162,280/7, 281/1,281/18,281/12,281/19,281/6-2,280/6 at Mulavukad Village, Kanayannur Taluk, Ernakulam District

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 7 years subject to the following specific conditions in addition to the general conditions

- a. The Tertiary Treatment Unit proposed with pre-treatment facilities such as, PSF and PCF (in continuation to the primary and secondary type of treatment of sewage with a modified type of ASP) should be used for establishing 98 KLD STP. This is to ensure that the quality of treated water will be fit for re-use /recycle and for flushing/gardening/ fire fighting / HVAC make up water/recharge of local ground water.
- b. Adequate built-in composting facility should be set up for the treatment of biodegradable waste as the capacity or the number of BIOBIN proposed is inadequate.
- c. Adequate and covered storage area should be provided for the storage of non-degradable waste generated for at least 30 days. Additional space should also be provided for the storage of Hazardous Waste and E- waste. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.
- d. Fruit Bearing Trees of indigenous species should be planted in the Green Belt area / open space, compensatory afforestation area/ children play area, including avenue plantations. Vegetation should also be provided over built structure such as roofs, basements, podiums etc to the maximum extent possible.
- e. Pumping from the borewells should be limited to the safe yield determined through pumping test conducted.
- f. Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996

- g. Appropriate storm water drainage plan should be implemented covering the entire project area and considering the soil cover and levels of the project area and adjoining areas.
- h. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
- i. Usage of energy saving 5 star rating equipment such as Solar Geyser and LED lamps should be promoted as part of energy conservation.
- j. The CRZ restrictions, if applicable, should be complied with.
- k. Two line plumbing system should be established for ensuring reuse of treated waste water for flushing and such other uses.
- l. Climate responsive and Green Building Guidelines should be adopted and the roof area and covered parking should be covered with material having high solar reflective index.
- m. The building design should ensure that it will cater to the differently-abled citizens.
- n. The design of the building should be in compliance with Energy Conservation Building Code as applicable.
- o. CER Plan should be implemented as proposed.
- p. EC application may be processed only after production of the Proof of application to NBWL for Wildlife Clearance.
- q. EC may be issued subject to Wildlife clearance and CRZ Clearance

CONSIDERATION OF TOR PROPOSALS

1. **SIA/KL/MIN/73783/2022 , 1938/EC3/2022/SEIAA
Terms of Reference for Proposed Granite Building Stone Quarry of Mr. K J Thomaskutty at Alakkode Village, Thodupuzha Taluk, Idukki District, Kerala for an extent of 4.5868 Ha**

Decision: The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures and breach potential of stored water in abandoned quarry pits.

2. **SIA/KL/MIN/73550/2022 , 1960/EC1/2022/SEIAA
Proposed Granite Building Stone Quarry in Survey No. 390/1a Of Thachanattukara-I & 54/8 Of Thachanattukara-Ii Village, Mannarkkad Taluk, Palakkad District, Kerala**

Decision: The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope

stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

3. SIA/KL/MIN/72422/2022 , 1935/EC1/2022/SEIAA

Proposed New Building Stone (Minor Mineral) Mining project of M/s Daiwik Industries Pvt. Ltd. in Survey Nos. 345/3, 345/3-1, 345/4, 345/6, 346/1-1, 346/1-2, 346/1-3, 346/1-4, 346/1-5, 346/1-7, 346/1-8, 346/1-9, 346/2-1, 346/3, 346/4, 347/1, 347/2, 347/2-1, 347/2-3, 347/2-4, 347/3-2, 347/4, 347/5, 354/1-3, 354/1-5, 354/1-5-1, 354/1-7, 354/1-7-1, 354/1-16, 355/6, 355/7, Block No. 48, Aryanad Village and Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala

Decision: The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

4. SIA/KL/MIN/74947/2022 , 1983/EC6/2022/SEIAA

Terms of Reference for the Proposed Granite (Building Stone) Quarry in Re-Survey No. 231/1,226/1 of Elankur Village, Ernad Taluk, Malappuram District, Kerala for an extent of 2.1058 Ha

Decision: The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

PART 3

1. SIA/KL/MIN/127122/2019 , 1562/EC1/2019/SEIAA](FIR Received)

Granite quarry of Mr. Mathew Daniel for an extent of 2.23.92 Ha in survey No. 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 At Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala

Decision: The Committee verified the proposal and decided to direct the proponent to submit the revised CER as discussed during field verification.

2. SIA/KL/MIN/131090/2019 , 1571/EC2/2019/SEIAA](FIR Received)

Environmental Clearance for Proposed Granite Building Stone Quarry of Mr. Sudheesh A T at Re Survey No: 151/1, 151/7 of Kaniyambatta Village, Vythiri Taluk, Wayanad District, Kerala for an area of 1.5875 hectares

Decision: The committee deferred the item for detailed scrutiny.

- 3. SIA/KL/MIN/133893/2019 , 1788/E2/2020/SEIAA](FIR Received)**
Environment Clearance for mining of ‘Granite Building Stone Quarry of M/s. Pulpally Stone Crushers’ over an extent of 0.7905 Ha. (1.9533 Acres) at Re-Sy. Nos. 399/1, 399/15 & 399/18, Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala by Binoj K Baby

Decision: The committee deferred the item for detailed scrutiny.

- 4. SIA/KL/MIN/136067/2020 , 1587/EC1/2020/SEIAA](FIR Received)**
Granite Building Stone Quarry of M/s. Adani Vizhinjam Port Private Limited” over an extent of 1.9274 Ha. (4.7626 Acres) at Re-Survey Block. No:47, Re Survey. Nos. 133/4, 133/16, & 139/6 (Government land), Aryanadu Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 51m. The Committee discussed the field inspection report and decided to recommend EC for a period of 6 years subject to the following specific conditions in addition to the general conditions.

- a. Proposal may be processed only after production of the Proof of application to NBWL for Wildlife Clearance and EC may be issued only after getting the wildlife clearance.
- b. Boundary Pillars should be fixed permanently with immediate effect.
- c. Garland drain should be provided covering the entire project area, siltation pond of appropriate volume should be provided at the lowest portion of the project area and outflow channel should be laid to the natural stream nearby. Silt-traps should be provided intermittently in garland drain and outflow channel. Garland drain, silt- traps, siltation ponds and outflow channel should be desilted periodically to prevent any obstruction to the drainage system.
- d. Blasting (NONEL) should be done only with a drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 375 gm of explosive in each hole of the array with a burden of 1.5m and spacing of 1m since there are 9 houses within the distance varying from 50-100m and 39 houses within 200m. An affidavit to this should be submitted by the Proponent.
- e. If the proponent desires to adopt blasting (NONEL) using a drill hole of diameter 115mm and depth 6.5m with burden ranging from 2.00 to 2.50 m and spacing of 2.50 to 3.00 m

loaded with a higher quantity of explosives to the tune of about 20 – 25 kgs of explosives, as proposed in the Mine Plan, special permission from the SEIAA should be obtained after conducting a vibration impact study on various built structures within 200m from the project boundary by engaging a National Institute such as National Institute of Rock Mechanics and inference thereupon.

- f. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- g. Retaining wall of appropriate height should be provided at the overburden dumping site
- h. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented
- i. Planting of trees for the development of green belt should be done before the commencement of mining and green belt should be nurtured and maintained during the entire project period till the mine closure plan is implemented
- j. Prior to the commencement of mining, temporary barrier should be provided wherever green belt cannot be developed due to the presence of barren rock
- k. Prior to the commencement of mining, temporary wall should be provided at the boundary adjacent to the houses and road
- l. Compensatory afforestation should be initiated prior to the commencement of mining in available land as tree planting is not feasible along some portion of the buffer zone
- m. An affidavit should be submitted indicating the land with geocoordinates where compensatory afforestation is proposed
- n. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- o. Haulage road should be maintained well with frequent sprinkling

5. SIA/KL/MIN/136876/2020 , 1687/EC3/2020/SEIAA](FIR Received)

Granite Building Stone Quarry of Shri. Shine Mathew over an extent of 1.0336 Ha. (2.5540Acres) in Block No.13, Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki District, Kerala State, India.

Decision: The committee deferred the item for detailed scrutiny.

6. SIA/KL/MIN/140590/2020 , 1791/EC2/2020/SEIAA](FIR Received)

Granite building stone quarrying is located in Re-Sy. Nos.382/1, & 382/5, Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala State over an extent of 0.7300 Ha by Sri. Joby John

Decision: The committee deferred the item for detailed scrutiny.

7. SIA/KL/MIN/140622/2020 , 1722/EC3/2020/SEIAA

Building stone quarry owned by Mr. Joy AM situated at Survey Nos. 158/5-1pt in the Arakuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.2023 hectares (**PRESENTATION**)

Decision: As invited the proponent and Mr. D P Sreekumar, the RQP authorized by the Proponent were present. The RQP made the presentation. The Committee decided to entrust Dr. Mahesh Mohan & Dr. K.N.Krishnakumar for Field visit and report.

8. SIA/KL/MIN/141091/2020 , 1863/EC3/2020/SEIAA

Environmental clearance for Laterite Building Stone Quarry of Prince M.P. at Re - Survey No-83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam District, Kerala for an extent of 0.1940

Decision: The Committee on examined the documents decided to reject the application since there is built structure within 50m from proposed project area.

9. SIA/KL/MIN/141299/2020 , 1854/EC6/2020/SEIAA

Application for Environmental Clearance for the Laterite Building stone quarry of Mr. Kunhi Mohammed over an area of 0.1536 hectares in Sy No. 8/1 located in Kuruva Village under Perinthalmanna Tehsil of Malappuram District Kerala.(Presentation)

Decision: The proponent and RQP Dr. S. Zakkir were present. The RQP made the presentation. The Committee heard the presentation & examined the file and found that there is a house at 5m from the project boundary. It is stated that the laterite is proposed to be removed for the construction of the Proponent's own building. The RQP submitted that there are environmental advantages, if the laterite is removed. Considering these, it is decided to have a field inspection to verify the contention, as a special case. The Committee entrusted Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection.

10. SIA/KL/MIN/151053/2020 , 1817/EC6/2020/SEIAA

Application for the Granite Building Stone Quarry Of Mr.Kuttiamu Haji In Survey No:174, Cherukavu Village, Kondotty Taluk, Malappuram District, Kerala (**Presentation**)

Decision: As invited Mr. Noushad, authorized representative of the Proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee entrusted Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report. The Committee also directed the the proponent to submit the following additional documents:

- a. Recent Cluster Certificate

- b. Revised EMP incorporating the specific CER activities in physical terms to be undertaken by the proponent in consultation with the stakeholders as stipulated in the OM No.22- 65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF&CC, GOI instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

11. SIA/KL/MIN/153262/2020 , 1825/EC3/2020/SEIAA](FIR Received)

Granite Building stone quarry of “Shri. Stephen Joseph, Managing Director, M/s.Crystal Aggregates Pvt Ltd, At Survey No: 508/3/2,510/3B/2, for an area of 0.9108 Ha. in Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala.

Decision: The committee deferred the item for detailed scrutiny.

12. SIA/KL/MIN/156447/2020 , 1731/EC3/2020/SEIAA](FIR Received)

Environmental Clearance for the building stone quarry at Survey No.338/1A/20/D&D2 of Keerampara Village, Kothamangalam Taluk, Ernakulam District, Kerala for an Area of 0.9133 Ha. By Mr Shymon Anto

Decision: The committee deferred the item for detailed scrutiny.

13. SIA/KL/MIN/161069/2020 , 1799/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Of Mr.Abdul Rasack.P In Survey No:95/9-3,95/7-4 In Mankada Village, Perinthalmanna Taluk, Malappuram District, Kerala (Presentation)

Decision: As invited the proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection.

14. SIA/KL/MIN/161938/2020 , 1727/EC2/2020/SEIAA](FIR Received)

Environment Clearance Granite Building Stone Quarry of Mr. Sudheesh A T at Re Survey No:129/20, 129/19,134/6,134/7 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala for an area of 1.8407 hectares.

Decision: The committee deferred the item for detailed scrutiny.

15. SIA/KL/MIN/164458/2020 , 1847/EC1/2020/SEIAA

Granite Building Stone Quarry of Vijayan R, Veena Sadanam, Kattuputhussery, Pallikal (p.o), Thiruvananthapuram, Kerala in an extent of 0.3900 Ha (39.00Areas) in Pallikkal Village, Varkala Taluk, Thiruvananthapuram (**Presentation**)

Decision: As invited the proponent and RQP Dr. S. Zakkir, were present. The RQP made the presentation. The Committee entrusted Dr. R. Ajayakumar Varma & Dr. A. Bijukumar for field inspection. The Committee decided to direct the proponent to submit the following documents:

- c. Details of water source for the quarry requirement
- d. Detailed CER as per the existing OM

16. SIA/KL/MIN/164464/2020 , 1784/EC3/2020/SEIAA](FIR Received)

Environmental Clearance for the building stone quarry at Survey No.892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 0.8990 Ha. By Mr. Jobin C Raju

Decision: The committee deferred the item for detailed scrutiny.

17. SIA/KL/MIN/166718/2020 , 1866/EC6/2020/SEIAA]

Application for Environmental Clearance for the Granite Building Stone Quarry of Khaja Hussain. K. K at Re Survey No: 26/9-277, 26/9-278, 26/9-102, 26/9-103, Re survey Block No: 2 in Thazhekkode Village, Perinthalmanna Taluk, Malappuram District, and Kerala for an area of 4.8127 hectares.(Presentation)

Decision: As invited proponent, Mr. Khaja Hussain and Haneesh A.R, the Functional Area Expert were present. The Consultant made the presentation. The Committee entrusted Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection. The Committee also directed the proponent to submit the following additional documents:

- a. Revised project cost.
- b. The CER is to be reworked and made as part of EMP as per the OM applicable.
- c. Compensatory afforestation plan along with geo co-ordinates of the area
- d. Consent of the land-owner where OB dump is proposed to be done.

18. SIA/KL/MIN/167172/2020 , 1862/EC6/2020/SEIAA

Application for the Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos. 89/ 3- 3, 82/ 1- 3, 82 /1 -4, 89 /1 -11, 82/ 1 - 2, 89/ 1- 3, 89/ 3- 2 in Block No: 13, Muthuvallur Village, Kondotty Taluk, Malappuram

District, Kerala for an extent of 1.3301 Ha by Mr. Niyas P.V, M/s HI ROCK GRANITES PRIVATE LIMITED (Presentation)

Decision: As invited proponent & RQP Sri. V K Roy were present. The RQP made the presentation. Nearest house is about 95m. Total proposed area is 1.330Ha and the mineable reserve is 2,94,750MT. The Committee entrusted Dr.C.C.Harilal & Shri.V.Gopinathan for filed inspection. The Committee directed the proponent to submit the geo-coordinates and details of the site proposed for Compensatory afforestation.

19. SIA/KL/MIN/169289/2020 , 1843/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry Of Mr.Sudheermon.P.P In Survey No:217/4,In Pulpatta Village, Eranad Taluk, Malappuram district ,Kerala State(Presentation)

Decision: As invited the proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee entrusted Shri. V.Gopinathan & Dr.A.V Raghunath for field Inspection and report. The Committee directed the proponent to submit an action plan suitable for biodiversity conservation in the proposed area based on the status of the biodiversity in and around the location and considering the impacts anticipated.

20. SIA/KL/MIN/173485/2020 , 1834/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry of Mr. Sameer P. at Re. Sy. No. 237/2, 237/1, 237/1-2 of Nediyruppu Village, Kondotty Taluk, Malappuram District of Kerala for an extent of 2.7047 Ha (Presentation)

Decision: As invited proponent & RQP Dr. Jayaprakash were present. The RQP made the presentation. The Committee heard the presentation. The Committee entrusted Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report. The Committee also directed the proponent to suggest a specific water source for the project and submit a modified CER as per the existing OM.

21. SIA/KL/MIN/175428/2020 , 1876/EC3/2021/SEIAA

Environment Clearance for a mining lease of “Granite Building Stone Quarry of Shri. Anish Abraham” over an extent of 1.0 Ha. in Sy. Nos. 730, Vagamon Village, Peerumedu Taluk, Idukki District, Kerala.(PRESENTATION)

Decision: As invited the Proponent and Consultants representing M/s. Global Environment & Mining Services were present. Sri. Cyriac Joseph made the presentation. The Committee entrusted Dr. K.N. Krishnakumar & Dr. Mahesh Mohan for field inspection and report. The Committee also directed the proponent to submit the following additional documents

- a. Compensatory afforestation area with geo coordinates.
- b. Source of water for the quarry requirement.
- c. CER with consent of the beneficiary is to be provided

22. SIA/KL/MIN/178887/2020 , 1850/EC4/2020/SEIAA

Environmental Clearance for a mine of Ordinary clay in survey no.. 7/6, 7/7, 7/8, 7/9 of Pariyaram Vlagei Thaliparambu Taluk Kannur District, Kerala by SushiL Aaron, M/s Baliapattam Tile Works Ltd. (Presentation)

Decision: Even after prior intimation the proponent is absent. Hence the committee decided to defer the item to give one more chance to the proponent for presentation.

23. SIA/KL/MIN/266960/2022, 1406/EC2/2019/SEIAA

Proposed Building stone quarry in Re.Sy.No. 85/2, 86/1, 86/2 of Keralasseri Village, Palakkad Taluk, Palakkad District by Dr.Abraham Sebastian, Proprietor, M/s Nayampadam Granites (Physical File Recommended In 127 SEAC)

Decision: The Committee decided to adhere to the decision No. 127.04 taken in its 127th meeting.

24. SIA/KL/MIN/269684/2022, 1360/EC2/2019/SEIAA

Environmental Clearance for Granite Building Stone Quarry of Shri.Sidharthan Thiyyakandy at Re Survey No 15/3 of Village - Atholi Village, Koyilandy taluk, kozhikode District, Kerala for an extent of 0.3914 Ha under B2 category (Physical file recommended in 126th SEAC meeting)

Decision: The Committee decided to adhere to the decision No. 126.30 taken in its 126th meeting.

25. SIA/KL/MIN/269882/2022 , 1292/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite building stone quarrying located in Sy. No. 236/3,237/1 & 238/2, Thirumeni Village, Payyanur Taluk, Kannur District, Kerala State. Over an extent of 0.9742 Ha (2.4072 Acres). (Physical file recommended in 126th SEAC meeting)

Decision: The Committee decided to adhere to the decision No. 126.29 taken in its 126th meeting.

26. SIA/KL/MIN/270935/2022 , 2430/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Jossy Joseph” over an extent of 0.9898 Ha at Re-Sy Block No.: 19, Re-Sy No.:179/3-3, 179/3-4, 221/1, 221/6 & 221/6-1, Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala (Older physical file- recommended in 126th SEAC)

Decision: The Committee decided to adhere to the decision No. 126.25 taken in its 126th meeting.

27. SIA/KL/MIN/271162/2022 , 2431/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of “Sri. Joyce Sebastian” over an extent of 0.873 Ha. (2.157 Acres) at Survey No. 233/4, 233/5 & 233/9, Vellavoor Village, Changanaserry Taluk, Kottayam Dist. Kerala State (Older physical file - recommended in 126th SEAC)

Decision: The Committee decided to adhere to the decision No. 126.26 taken in its 126th meeting.

28. SIA/KL/MIN/271234/2022 , 2445/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone quarry of Shri.George Joseph, in Block No. 57, Survey No. 149/1 of Moonilavu Village, Meenachil Taluk, Kottayam District, Kerala for an area of 0.4478 hectares. (Older physical file - recommended in 126th SEAC)

Decision: The Committee decided to adhere to the decision No. 126.27 taken in its 126th meeting.

29. SIA/KL/MIN/271788/2022 , 1282(A)/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Mr.Faisal over an extent of 0.8945 Ha at Survey No.257/1/2,257/1/6,257/1/7 of Elankur Village, Ernad-Taluk, Malappuram District, Kerala. (Older physical file - recommended in 126th SEAC)

Decision: The Committee decided to adhere to the decision No. 126.37 taken in its 126th meeting.

30. SIA/KL/MIN/272116/2022 , 2552/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. Yespal at Sy. Nos. 14/8-2, 14/8-3, 14/6, 14/20, 14/23 & 14/24 of Neduvathoor Village, Kottarakkara Taluk Kollam District (Physical file recommended in 126th SEAC meeting)

Decision: The Committee decided to adhere to the decision No. 126.13 taken in its 126th meeting.

31. SIA/KL/MIN/272314/2022 , 1339/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of B & B Granites at Survey No. 911 and 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala (Older physical file - recommended in 126th SEAC)

Decision: The Committee decided to adhere to the decision No. 126.41 taken in its 126th meeting.

32. SIA/KL/MIN/273506/2022, 310/SEIAA/KL/1693/2014

Application for EC for Marath enterprises And Crusher P Ltd Survey No. : 197/2(p), 198/8(p), 198/9(p) 198/2(p), 198/10(p) & 205/2(p) Koppam Village, Pattambi Taluk, Palakkad District, Kerala (Judgment dated 26.08.2021 in WP (C) No.14476/2021 filed by M/s Marath Enterprises and crushers Pvt. Ltd)

Decision: The committee deferred the item for detailed scrutiny.

33. SIA/KL/MIN/43903/2019 , 1548/EC2/2019/SEIAA](FIR Received)

Environmental Clearance for the proposed Granite Building Stone Quarry over an extent of 0.9037 Hectares in Re-Survey No.-214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.-214/1pt (Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala State

Decision: The Committee examined the documents and discussed the field inspection report and decided to direct the proponent to submit the following additional documents:

- a. Drainage plan including garland drains outside the buffer zone along with location of silt traps, siltation ponds and outflow channel and considering the abandoned quarry of the proponent as well as ensuring the prevention of quarry waste runoff to the low-lying areas.
- b. Green belt development plan
- c. OB dumping location marked on a contour map with geo-coordinates of the boundary.
- d. Compensatory afforestation plan along with the proposed location, its geo-coordinates and list of local species based on the list suggested in the biodiversity report

34. SIA/KL/MIN/43937/2019 , 1547/EC2/2019/SEIAA](FIR Received)

Environmental Clearance for the proposed Granite Building Stone Quarry over an extent of 0.5456 Hectares in Re-Survey No.- 217/17pt(Patta land) & Re-Survey No.-

214/1pt (Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala State

Decision: The Committee examined the documents and discussed and accepted the field inspection report and decided to direct the proponent to submit the following additional documents:

- a. Drainage plan including garland drains outside the buffer zone along with the location of silt traps, siltation ponds and outflow channel and considering the abandoned quarry of the proponent as well as ensuring the prevention of quarry waste runoff to the low-lying areas.
- b. Submit green belt development plan
- c. OB dumping location marked on a contour map with geo-coordinates of the boundary.
- d. Compensatory afforestation plan along with the proposed location, geo-coordinates of the boundary and list of local species as suggested in the biodiversity report
- e. Photographs showing that the boundary pillars with concrete poles demarcating the project area is permanently fixed using concrete mix.

35. SIA/KL/MIN/45189/2019 , 1739/EC4/2019/SEIAA

Environment Clearance for mining lease of "Granite Building Stone Quarry of M/s. K. V. N. Engineering & Constructions' over an extent of 3.4162 Ha. (8.4414 Acres) at Sy. No. 292/1A, Vellad Village, Thaliparamba Taluk, Kannur District, Kerala State. (Presentation)

Decision: Sri. Narayanankutty representing the proponent firm and Mr. Cyriac Joseph, Consultant representing M/s. Global Environment and Mining Services were present. The Consultant made the presentation. The Committee decided to entrust Shri. V.Gopinathan & Dr.A.N.Manoharan for field inspection & report.

36. SIA/KL/MIN/58473/2019 , 1405/EC2/2019/SEIAA](FIR Received)

Environmental Clearance for the Granite Building Stone Quarry project in Re - Sy. Block No. 37, Re. Sy No. 554/1, 554/5 & 554/6 of Nagaroor Village (Kadavilla), Chirayinkeezh Taluk, Thiruvananthapuram district of Kerala by M/S Adani Vizhinjam Port Pvt.Ltd.

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 55.3m. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions

- a. The proponent should upload the District Survey Report, Form 1M and Annexures of the Mine Plan, produced during the field inspection, prior to issuance of the EC.

- b. Garland drain should be provided covering the entire project area along with intermittent silt traps and siltation pond of appropriate volume and outflow channel. The entire drain should be desilted periodically for preventing any obstruction to the drainage system.
- c. Blasting (NONEL) should be done only with drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 375 gm of explosive in each hole of the array with a burden of 1.5m and spacing of 1m. An affidavit to this should be submitted by the Proponent.
- d. If the proponent desires to adopt blasting (NONEL) using drill hole of diameter 115mm and depth 6.5m with burden ranging from 2.00 to 2.50 m and spacing of 2.50 to 3.00 m loaded with higher quantity of explosives to the tune of about 20 – 25 kgs of explosives, as proposed in the Mine Plan, special permission from the SEIAA should be obtained after conducting a vibration impact study on various built structures within 200m from the project boundary by engaging a National Institute such as National Institute of Rock Mechanics and inference thereupon.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Retaining wall of appropriate height should be provided at the overburden dumping site
- g. CER Plan should be implemented within the first 18 months and it should be operated and maintained till the mine closure plan is implemented
- h. Planting of trees for the development of green belt should be done prior to the commencement of mining and green belt should be nurtured and maintained during the entire project period
- i. Temporary wall should be provided wherever green belt cannot be developed due to the presence of barren rock
- j. Temporary wall should be provided at the boundary adjacent to the Temple and Thrisoolam structure
- k. Compensatory afforestation should be initiated before the commencement of mining in available land as tree planting is not feasible along some portion of the buffer zone
- l. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- m. Adequate number of toilets and waste management facility should be provided at the site
- n. Haulage road should be maintained well with frequent sprinkling
- o. The proponent should submit an affidavit stating that all the assurances given during the Public Consultation process will be complied with including the drinking water.

37. SIA/KL/MIN/61070/2019 , 1441/EC1/2019/SEIAA](FIR Received)

Granite Building Stone Quarry of M/S Adani Vizhinjam Port Pvt Ltd (AVPPL) situated in Re-Survey Number 341/6 (pt) at Koodal Village, Konni Taluk, Pathanamthitta District, Kerala for an area of 4.8556 hectare

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 56.1m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions.

- a) The Boundary Pillars should be changed to concrete poles and the number of the boundary pillars as given in the approved Mine Plan and coordinates should be marked in paint. The photograph of the all the Boundary Pillars should be submitted prior to commencement of mining.
- b) Though the quantity of overburden is less, the proponent should maintain distance criteria as per existing norms from the nearby houses and other built structures such as the Inchappara- Athirunkal road to the boundary of overburden dumpsite and the boundary of the project site. An affidavit and a map showing the location should be submitted prior to the issuance of EC.
- c) A proper retaining wall/ gabion wall should be constructed to prevent topsoil and overburden runoff during rains.
- d) A check dam should be constructed for storage of water and recharge of low-lying areas. The structures should be constructed as per the existing distance norms.
- e) The garland canal, silt traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geotagged photographs of the same should be submitted along with half-yearly compliance report.
- f) The turbidity of outflowing water along with other parameters as per the environmental monitoring plan should be monitored during different seasons and included in the half-yearly report.
- g) Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- h) The buffer zone should be enriched with more indigenous plants as specified in the biodiversity assessment report. The same plants should be used for the compensatory afforestation and green belt development. Details of indigenous trees planted during the first three months from the date of issuance of EC should be submitted along with a plan for the remaining period.
- i) Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- j) Regular ground water monitoring of the well located 97 m away on the south side of the quarry (9° 8'53.93"N, 76°52'16.24"E) should be conducted and the data should be incorporated in the half yearly report along with geo-tagged photograph.
- k) The natural canals including Erattathodu flowing through the adjacent areas should be properly protected and maintained

38. SIA/KL/MIS/208403/2021 , 1898/EC4/2021/SEIAA

Development of Malabar Cancer Center as Postgraduate Institute of Oncology Sciences and Research (ADS received)

Decision: The Committee examined the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 7 years subject to the following specific conditions in addition to the general conditions.

- a. Climate responsive design as per Green Building Guidelines in practice should be adopted
- b. Vide GO (MS) No. 39/2022/LSGD dated 25.2.2022, the Government of Kerala has introduced Green rating and Green building certification to buildings based on green standards. The guidelines published as part of the GO should be adhered to.
- c. Vegetation should be adopted appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.
- d. Green belt development surrounding the campus, avenue tree planting and garden development should commence from the beginning of the construction phase. Only indigenous species should be used for green belt and avenue trees.
- e. Exposed roof area and covered parking should be covered with material having high solar reflective index
- f. Building design should cater to the differently-abled citizens
- g. Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996
- h. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area unpolluted and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
- i. Water efficient plumbing features should be adopted
- j. Design of the building should be in compliance to Energy Conservation Building Code as applicable
- k. Energy conservation measures as proposed in the application should be adopted in total. In addition to the 150 KW Solar system without battery for utility load mounted on terrace, adequate battery linked solar system should also be installed as make up energy supply so as to reduce the fuel-based energy use.
- l. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.
- m. The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.

- n. The proponent should submit an affidavit stating that a large water harvesting structure will be developed and managed for meeting the additional water demand as the water supply from KWA is restricted to only three days in a week and the yield of the open well is inadequate to meet the demand.
- o. Adequate built-in composting facility should be set up for the treatment of biodegradable waste as the capacity or the number of BIOBIN proposed is inadequate.
- p. Adequate and covered storage area should be provided for the storage of non-degradable waste generated for at least 30 days. Additional space should also be provided for the storage of Hazardous Waste and E- waste. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.
- q. Rainwater harvesting pond should be linked with the water treatment plan.

39. SIA/KL/MIN/150744/2020 , 1824/EC3/2020/SEIAA] (FIR Received)

Granite Building Stone Quarry Of Mr. Saju George in Survey No:590/11(1,2,3,4), 590/18(1,2,3,4), 590/12(2,3), Vengoor West Village, Kunnathunadu Taluk, Ernakulam, Kerala

Decision: The committee deferred the item for detailed scrutiny.

40. SIA/KL/MIN/133062/2019 , 1576/EC2/2019/SEIAA (FIR Received)

The building stone quarry project of M/S Granites India is situated at Survey Nos. 98/2pt, 98/24 pt (Block No. 1) & Survey No. 428/66 pt (Block No. 2) of Edayur Village of Tirur Taluk, Malappuram Dist.

Decision: The committee deferred the item for detailed scrutiny.

41. SIA/KL/MIN/147339/2020 , 1669/EC6/2020/SEIAA (ADS Received)

The building stone quarry project of M/S Granites India is situated at Survey Nos. 98/2pt, 98/24 pt (Block No. 1) & Survey No. 428/66 pt (Block No. 2) of Edayur Village of Tirur Taluk, Malappuram Dist.

Decision: The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 8 years subject to review after 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. A protective wall must be constructed around the overburden dumping site.
- b. Green belt development in the buffer should be done in the first year of the project itself using native trees and it should be nurtured and maintained in subsequent years

- c. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- d. Garland canal, silt traps, siltation ponds and outflow channel should be provided covering the entire project area.
- e. The garland canal along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report
- f. Geotagged photographs of the Solar light installation sites, locations of well recharge and water storage as proposed as part of CER should be included in the half-yearly compliance report.
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

42. SIA/KL/MIS/271560/2022, 1991/EC6/2022/SEIAA

Application for EC for the proposed expansion of existing building construction project in Sy.No.162/1, 162/2 in Chelambra Village, Kondotty Taluk ,Malappuram by Sri.Sivabhadran.K, Power of Attorney Holder of Mr. Faisal Edavalath Kottikollon

Decision: The Committee examined the documents submitted by the proponent and decided to entrust Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report.

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIS/76817/2022 , 1992/EC2/2022/SEIAA

Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Aanakampoyil- Kalladi - Meppadi in Kozhikode and Wayanad Districts of Kerala State (Presentation)

Decision: As invited the Sri. Anand Raj, Executive Engineer, PWD, representing the proponent and Smt. Sindhu.P., Senior Consultant from KITCO made the presentation. The Consultant and proponent responded to the clarifications sought by the Committee. The Committee examined the draft ToR submitted and decided to approve it with the following additional studies.

- a. Impact of removal of rocks from the tunnel entry and core region including its impact on springs and groundwater regime and management plan.

- b. Impact of vibration due to tunnelling and blasting on the buildings and other built structures on the ground above and its immediate vicinity in the impact zone and mitigation plan
- c. Impact of seepage water and its management plan
- d. Predicted air quality within the tunnel entry and tunnel core region
- e. Impact of fractured rock collapse and its management plan
- f. Impact of hydrologic modifications, if any, and its management plan
- g. Impact of transportation of material removed from the tunnel and construction material and transportation management plan.
- h. Impact of increased traffic on the feeder roads on both the ends of the tunnel based on detailed traffic survey
- i. Evaluation of the risks and accidents during the construction and operational phases and management plan
- j. Impact on the biodiversity of the region and site-specific management measures
- k. Impact of the displacement of terrestrial, aquatic and avian fauna, if any, and management plan
- l. Impact on the demographic structure and social infrastructure of the impact zone, if any, and management measures
- m. Impact of heating, ventilation and air condition impact within the tunnel and the management measures
- n. Details of Rehabilitation and Resettlement action plans, if required
- o. Environmental cost benefit analysis of the proposal

The meeting ended at 5.30 pm on 24th May 2022.

It is decided to convene the next meeting of SEAC from 8th June, 2022 to 10th June, 2022.

List of members who attended the SEAC meeting

Sl. No.	Name	23.05.2022	24.05.2022
1.	Shri. Sheik Hyder Hussain	✓	✓
2.	Dr.A Bijukumar.	✓	✓
3.	Dr. A.N. Manoharan	✓	✓
4.	Shri M. Dileepkumar	✓	✓
5.	Smt Beena Govindan	✓	✓
6.	Dr.C.C.Harilal	✓	✓
7.	Dr.K.Vasudevan Pillai	✓	✓

8.	Dr. Mahesh Mohan	✓	✓
9.	Dr.K.N.Krishnakumar	✓	✓
10.	V.Gopinathan	✓	✓
11.	Dr.A.V.Raghu	✓	✓
12.	Dr.N.Ajithkumar	X	X
13.	Shri Suneel Pamidi IFS (Secretary)	✓	✓
14.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓